#10

1653

Kom

RAW SEQUENCE LISTINGPATENT APPLICATION: **US/09/518,297**DATE: 08/15/2001
TIME: 12:28:02

Input Set : A:\4600-0130.30-SEQLIST.TXT
Output Set: N:\CRF3\08152001\I518297.raw

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4 <110> APPLICANT: Lim, Moon Young
         Edwards, Cynthia A.
                                                              ENTERED
 6
         Fry, Kirk E.
 7
         Bruice, Thomas W.
 8
         Starr, Douglas B.
 9
         Laurance, Megan E.
10
         Kwok, Yan
13 <120> TITLE OF INVENTION: DNA Binding Compound-Mediated Molecular
         Switch System
16 <130> FILE REFERENCE: 4600-0130.30
18 <140> CURRENT APPLICATION NUMBER: US 09/518,297
19 <141> CURRENT FILING DATE: 2000-03-03
21 <150> PRIOR APPLICATION NUMBER: US 60/122,513
22 <151> PRIOR FILING DATE: 1999-03-03
24 <150> PRIOR APPLICATION NUMBER: US 60/154,605
25 <151> PRIOR FILING DATE: 1999-09-17
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63 <223> OTHER INFORMATION: n = A, T, C or G
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RAW SEQUENCE LISTING DATE: 08/15/2001 PATENT APPLICATION: US/09/518,297 TIME: 12:28:02

Input Set : A:\4600-0130.30-SEQLIST.TXT
Output Set: N:\CRF3\08152001\1518297.raw

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Input Set : A:\4600-0130.30-SEQLIST.TXT
Output Set: N:\CRF3\08152001\I518297.raw

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	Ser	Ser		Ser	Thr	Ile	Asn	_	Asp	Glu	Phe	Pro		Met	Val	Phe		
124	_	_	355			_		360	_		_		365		_	_		
	Pro		GIY	GIn	TTE	Ser		Ala	Ser	Ala	Leu		Pro	Ala	Pro	Pro		
126	~ 3	370	_	_	~ 1		375		_	- 1	_	380	_			_		
		vaı	Leu	Pro	GIn		Pro	Ата	Pro	Ата		Ala	Pro	Ala	Met			
	385		- .		a 1	390	_		_	1	395	1	_		_	400		
	ser	Ата	Leu	Ala		Ата	Pro	Ата	Pro		Pro	vai	Leu	Ala	Pro	GLY		
130		D	01	. 1 -	405					410	-		ml	a 1.	415	- 1		
	Pro	PIO			vaı	Ата	Pro	Pro		Pro	гаг	Pro	Thr		Ala	GIY		
132	a 3	a 1		.420	G	a 1		*	425	03	T	01	D1	430	•	a 1		
	GIU	GLY		Leu	ser	GIU	Ата		ьeu	GIN	Leu	GIN		Asp	Asp	GIU		
134		.	435	. 1 -	•	T	01	440	a	m1		D	445	·· 1	51	1		
	Asp		GIA	Ala	Leu	Leu		Asn	Ser	Thr	Asp		Ата	vaı	Phe	Thr		
136		450	31-	a	17- 1		455	0	01	D1	a 1	460	, -	. .	<u>.</u>	a 1		
	_	Leu	Ата	ser	vaı		Asn	ser	GIU	Pne		Gin	Leu	Leu	Asn			
	465	-1 -	D	77. 7	. 1 -	470	TT !	ml	m1	a 1	475		-		a 1	480		
	GIY	тте	Pro	vaı		Pro	HIS	Tnr	Thr		Pro	мет	Leu	мет	Glu	Tyr		
140	D-1-	a 1	31-	T 1.	485	3	T	17- 1	m1	490		a 1		5	495	3		
	Pro	GIU	Ата		Thr	Arg	ьeu	vaı		GTÄ	Ата	GIn	Arg		Pro	Asp		
142	D	.1.	D	500	D	T	a 1	3.1.	505	a 1	.	D		510	.		•	
	Pro	Ата		Ата	Pro	Leu	GTA		Pro	GIĀ	Leu	Pro		GTA	Leu	Leu		
144	.	a 1	515	a1	3	Dl	a	520	T 1 -		•	34-1	525	D 1	a			
	ser		Asp	GIU	ASP	Pne		ser	тте	Ата	Asp		Asp	Рпе	Ser	Ата		
146	T	530		71	т1.	a	535					540						
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DATE: 08/15/2001

TIME: 12:28:02

Input Set : A:\4600-0130.30-SEQLIST.TXT Output Set: N:\CRF3\08152001\I518297.raw 178 <223> OTHER INFORMATION: response element 180 <221> NAME/KEY: misc_feature 181 <222> LOCATION: (3)...(3) 182 <223> OTHER INFORMATION: n = G or T 184 <221> NAME/KEY: misc_feature 185 <222> LOCATION: (7)...(7) 186 <223> OTHER INFORMATION: n = A, T, C or G 188 <221> NAME/KEY: misc_feature 189 <222> LOCATION: (12)...(12) 190 <223> OTHER INFORMATION: n = A or C 192 <400> SEQUENCE: 7 193 rghtcantga cny 13 195 <210> SEQ ID NO: 8 196 <211> LENGTH: 77 197 <212> TYPE: PRT 198 <213> ORGANISM: Artificial Sequence 200 <220> FEATURE: 201 <223> OTHER INFORMATION: activator sequence 203 <400> SEQUENCE: 8 204 Ala Pro Pro Thr Asp Val Ser Leu Gly Asp Glu Leu His Leu Asp Gly 205 1 206 Glu Asp Val Ala Met Ala His Ala Asp Ala Leu Asp Asp Phe Asp Leu 20 208 Asp Met Leu Gly Asp Gly Asp Ser Pro Gly Pro Gly Phe Thr Pro His 35 40 210 Asp Ser Ala Pro Tyr Gly Ala Leu Asp Met Ala Asp Phe Glu Phe Glu 55 212 Gln Met Phe Thr Asp Ala Leu Gly Ile Asp Glu Tyr Gly 213 65 70 215 <210> SEQ ID NO: 9 216 <211> LENGTH: 11 217 <212> TYPE: PRT 218 <213> ORGANISM: Artificial Sequence 220 <220> FEATURE: 221 <223> OTHER INFORMATION: activator sequence 223 <221> NAME/KEY: VARIANT 224 <222> LOCATION: (1)...(11) 225 <223> OTHER INFORMATION: tetramer 227 <400> SEQUENCE: 9 228 Asp Ala Leu Asp Asp Phe Asp Leu Asp Met Leu 229 1 231 <210> SEQ ID NO: 10 232 <211> LENGTH: 97 233 <212> TYPE: PRT 234 <213> ORGANISM: Artificial Sequence 236 <220> FEATURE: 237 <223> OTHER INFORMATION: repressor sequence 239 <400> SEQUENCE: 10 240 Met Asp Ala Lys Ser Leu Thr Ala Trp Ser Arg Thr Leu Val Thr Phe

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/518,297

RAW SEQUENCE LISTING DATE: 08/15/2001 PATENT APPLICATION: US/09/518,297 TIME: 12:28:02

Input Set : A:\4600-0130.30-SEQLIST.TXT
Output Set: N:\CRF3\08152001\1518297.raw

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                                     25
244 Thr Ala Gln Gln Ile Val Tyr Arg Asn Val Met Leu Glu Asn Tyr Lys
246 Asn Leu Val Ser Leu Gly Tyr Gln Leu Thr Lys Pro Asp Val Ile Leu
247
                             55
248 Arg Leu Glu Lys Gly Glu Glu Pro Trp Leu Val Glu Arg Glu Ile His
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                                             75
250 Gln Glu Thr His Pro Asp Ser Glu Thr Ala Phe Glu Ile Lys Ser Ser
251
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252 Val
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258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: repressor sequence
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266 Asp Tyr Leu Glu Arg Arg Glu Arg Glu Ala Glu His Gly Tyr Ala Ser
267
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269
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271 <210> SEQ ID NO: 12
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279 <223> OTHER INFORMATION: partial promoter sequence
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299 <211> LENGTH: 22
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/518,297

DATE: 08/15/2001 TIME: 12:28:03

Input Set : A:\4600-0130.30-SEQLIST.TXT
Output Set: N:\CRF3\08152001\I518297.raw

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